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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known	
Application Number	10/723,955
Filing Date	November 26, 2003
First Named Inventor	Ruoping Chen
Group Art Unit	To Be Determined
Examiner Name	To Be Determined
Attorney Docket Number	7.US29.CON

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number - Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

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NB	KJ	WO 99/64436 A	12/16/1999	Patchett et al.		

Examiner Signature		Date Considered	4/23/05

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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NSB	KL	Feighner et al., "Receptor For Motilin Identified In The Human Gastrointestinal System," *Science*, Vol. 284, No. 5423, June 1999, pp. 2184-2188.	
	KM	McKee et al., "Cloning And Characterization Of Two Human G Protein-Coupled Receptor Genes (GPR38 And GPR39) Related To The Growth Hormone Secretagogue And Neurotesin Receptors," *Genomics*, Vol. 46, No. 3, 1997, pp. 423-434.	
	KN	Palyha et al., Ligand Activation Domain Of Human Orphan Growth Hormone (GH) Secretagogue Receptor (GHS-R) Conserved From Pufferfish To Humans," *Molecular Endocrinology*, Vol. 14, No. 1, 2000, pp. 160-169.	
NSB	KO	European Search Report Dated August 20, 2004 for European Patent Application No. EP 99 95 0301.	

} considered do not print.

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KP		Chen et al., "Identification of TDAG8 as a P2Y Purinergic Receptor," poster; February 26-March 3, 2000: Genome Tri Conference 2000, San Francisco, CA (1p.)	

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NL	KQ	WO 98/32858	07/30/1998	Schering Corp.		

Examiner Signature	NJ mdJR	Date Considered	7/22/07

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NW	KR	Scherr, et al "Constitutively Active G. Protein-Coupled Receptors: Potential Mechanisms of Receptor Activation," *Journal of Receptor and Signal Transduction Research* 17 (1-3): 57-73.	
NW	KS	Kjelsberg, et al, "Constitutive activation of the alphaB-adrenergic receptor by all amino acid substitutions at a single site," *Journal of Biological Chemistry*, 267 (3): 1430-1433.	

Examiner Signature	Nimesh Shah	Date Considered	4/27/07

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Form PTO-1449 Modified	Docket No. 7.US29.CON	Serial No. 10/723,955
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)	Applicant **Dominic P. Behan et al.**	
U.S. Department of Commerce Patent and Trademark Office	Filing Date November 26, 2003	Group Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AA	Alla, S.A. et al., "Extracellular domains of the bradykinin B2 receptor involved in ligand binding and agonist sensing defined by anti-peptide antibodies," *J. Biol. Chem.*, 1996, *271*, 1748-1755
	AB	Advenier, C. et al., "Effects on the isolated human bronchus of SR 48968, a potent and selective nonpeptide antagonist of the neurokinin A (NK_2) receptors," *Am. Rev. Respir. Dis.*, 1992, *146(5, Pt. 1)*, 1177-1181
	AC	Alexander, W.S. et al., "Point mutations within the dimer interfact homology domain of c-Mpl induce constitutive receptor activity and tumorigenicity," *EMBO J.*, 1995, *14(22)*, 5569-5578
	AD	Arvanitikis, L. et al., "Human herpesvirus KSHV encodes a constitutively active G-protein-coupled receptor linked to cell proliferation," *Nature*, 1997, *385*, 347-349
	AE	Barker, E.L. et al., "Constitutively active 5-hydroxytryptamine$_{2C}$ receptors reveal novel inverse agonist activity of receptor ligands," *J. Biol. Chem.*, 1994, *269(16)*, 11687-11690
	AF	Baxter, G., "5-HT_2 receptors: a family re-united?" *Trends Pharmacol. Sci.*, 1995, *16*, 105-110
	AG	Besmer, P. et al., "A new acute transforming feline retrovirus and relationship of its oncogene v-*kit* with the protein kinase gene family," *Nature*, 1986, *320*, 415-421
	AH	Blin, N. et al., "Mapping of single amino acid residues required for selective activation of $G_{q/11}$ by the m3 muscarinic acetylcholine receptor," *J. Biol. Chem.*, 1995, *270*, 17741-17748
	AI	Bond, R.A. et al., "Inverse agonists and G-protein-coupled receptors," in *Receptor-Based Drug Design*, Leff, P. (ed.), New York, M. Dekker, 1998, 363-377
	AJ	Boone, C. et al., "Mutations that alter the third cytoplasmic loop of the a-factor receptor lead to a constitutive and hypersensitive phenotype," *Proc. Natl. Acad. Sci. USA*, 1993, *90(21)*, 9921-9925

EXAMINER		DATE CONSIDERED	4/23/07

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. 7.US29.CON	Serial No. 10/723,955
	Applicant **Dominic P. Behan et al.**	
	Filing Date November 26, 2003 ~~November 16, 2003~~	Group Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AK	Burstein, E.S. et al., "Constitutive activation of chimeric m2/m5 muscarinic receptors and delineation of G-protein coupling selectivity domains," *Biochem. Pharmacol.*, 1996, *51(4)*, 539-544
	AL	Burstein, E.S. et al., "Amino acid side chains that define muscarinic receptor/G-protein coupling. Studies of the third intracellular loop," *J. Biol. Chem.*, 1996, *271(6)*, 2882-2885
	AM	Burstein, E.S. et al., "Constitutive activation of muscarinic receptors by the G-protein G_q," *FEBS Lett.*, 1995, *363(3)*, 261-263
	AN	Bylund, D., "International union of pharmacology nomenclature of adrenoceptors," *Pharmacol. Rev.*, 1994, *46*, 121-136
	AO	Casey, C. et al., "Constitutively active mutant 5-HT_{2A} serotonin receptors: inverse agonist activity of classical 5HT_{2A} antagonists," *Soc. Neurosci.*, 1996, Abstract #699.10
	AP	Cheatham, B. et al., "Substitution of the *erbB-2* oncoprotein transmembrane domain activates the insulin receptor and modulates the action of insulin-receptor substrate 1," *Proc. Natl. Acad. Sci. USA*, 1993, *90*, 7336-7340
	AQ	Chen, J. et al., "Tethered Ligand Library for Discovery of Peptide Agonists," *J. Biol. Chem.*, 1995, *270*, 23398-23401
	AR	Chen, T.S. et al., "Microbial hydroxylation and glucuronidation of the angiotensin II (AII) receptor antagonist MK 954," *J. Antibiot. (Tokyo)*, 1993, *46(1)*, 131-134
	AS	Chen, W. et al., "A colorimetric assay for measuring activation of G_s- and G_q-coupled signaling pathways," *Anal. Biochem.*, 1995, *226(2)*, 349-354
	AT	Chidiac, P. et al., "Inverse agonist activity of β-adrenergic antagonists," *J. Pharm. Exp. Ther.*, 1994, *45*, 490-499
	AU	Clozel, M. et al., " In vivo pharmacology of Ro 46-2005, the first synthetic nonpeptide endothelin receptor antagonist: implications for endothelin physiology," *J. Cardiovas. Pharmacol.*, 1993, *22(Suppl. 8)*, S377-S379

EXAMINER	N Rk	DATE CONSIDERED	4/23/05

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	AV	Collesi, C. et al., "A splicing variant of the *RON* transcript induces constitutive tyrosine kinase activity and an invasive phenotype," *Mol. Cell. Biol.*, 1996, *16(2)*, 5518-5526
	AW	Cooper, C.S. et al., "Molecular cloning of a new transforming gene from a chemically transformed human cell line," *Nature*, 1984, *311*, 29-33
	AX	De Dios, I. et al., "Effect of L-364,718 (CCK Receptor Antagonist) on Exocrine Pancreatic Secretion of Hydrocortison-Treated Rats," *Pancreas*, 1994, *9(2)*, 212-218
	AY	Desbios-Mouthon, C. et al., "Deletion of Asn^{281} in the α-subunit of the human insulin receptor causes constitutive activation of the receptor and insulin desensitization," *J. Clin. Endocrinol. Metab.*, 1996, *81(2)*, 719-727
	AZ	Di Renzo, M.F. et al., "Expression of the Met/HGF receptor in normal and neoplastic human tissues," *Oncogene*, 1991, *6(11)*, 1997-2003
	BA	Di Renzo, M.F. et al., "Overexpression of the c-*MET*/HGF receptor gene in human thyroid carcinomas," *Oncogene*, 1992, *7*, 2549-2553
	BB	Duprez, L. et al., "Germline mutations of the thyrotropin receptor gene cause non-autoimmune autosomal dominant hyperethyroidism," *Nature Genetics*, 1994, *7*, 396-401
	BC	Eggericksx, D. et al., "Molecular Cloning of an Orphan G-Protein-Coupled Receptor that Constitutively Activates Adenylate Cyclase," *Biochem. J.*, 1995, *309*, 837-843
	BD	Evans, B.E. et al., "Orally Active, Nonpeptide Oxytocin Antagonists," *J. Med. Chem.*, 1992, *35*, 3918-3927
	BE	Fu, M. et al., "Functional autoimmune epitope on α_1-adrenergic receptors in patients with malignant hypertension," *Lancet*, 1994, *344*, 1660-1663
	BF	Furitsu, T. et al., "Identification of Mutations in the Coding Sequence of the Proto-oncogene c-*kit* in a Human Mast Cell Leukemia Cell Line Causing Ligand-independent Activation of c-*kit* Product," *J. Clin. Invest.*, 1993, *92*, 1736-1744
	BG	Gellai, M. et al., "Nonpeptide Endothelin Receptor Antagonists V: Prevention and Reversal of Acute Renal Failure in the Rat by SB 209670," *J. Pharm. Exp. Therap.*, 1995, *275(1)*, 200-206

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	BH	Gitter, B. et al., "Pharmacological Characterization of LY303870: A Novel Potent and Selective Nonpeptide Substance P (Neurokinin-1) Receptor Antagonist," *J. Pharm. Exp. Therp.*, 1995, *275(2)*, 737-744
	BI	Gouilleux-Gruart, V. et al., "STAT-Related Transcription Factors are Constitutively Activated in Peripheral Blood Cells from Acute Leukemia Patients," *Blood*, 1996, *87(5)*, 1692-1697
	BJ	Hansson, J.H. et al., "Hypertension caused by a truncated epithelial sodium channel γ subunit: genetic heterogeneity of Liddle syndrome," *Nat. Genet.*, 1995, *11(1)*, 76-82
	BK	Hasegawa, H. et al., "Two Isoforms of the Prostaglandin E Receptor EP3 Subtype Different in Agonist-independent Constitutive Activity," *J. Biol. Chem.*, 1996, *271(4)*, 1857-1860
	BL	Hendler, F. et al., "Human Squamous Cell Lung Cancers Express Increased Epidermal Growth Factor Receptors," *J. Clin. Invest.*, 1984, *74*, 647-651
	BM	Herrick-Davis, K. et al., "Constitutively Active 5HT2C Serotonin Receptor Created by Site-Directed Mutagenesis," *Soc. Neurosci.*, Abstract No. 699.18
	BN	Hieble, J., "International union of pharmacology. X. Recommendation for nomenclature of 1-adrenoceptors," *Pharm. Rev.*, 1995, *47*, 267-270
	BO	Hill, S., "Distribution, Properties, and Functional Characteristics of Three Classes of Histamine Receptor," *Am. Soc. Pharm. Exp. Therap.*, 1990, *42(1)*, 45-83
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	BQ	Ikeda, H. et al., "Expression and Functional Role of the Proto-oncogene c-*kit* in Acute Myeloblastic Leukemia Cells," *Blood*, 1991, *78(11)*, 2962-2968
	BR	Imura, R. et al., "Inhibition by HS-142-1, a novel nonpeptide atrial natriuretic peptide antagonist of microbial origin, of atrial natriuretic peptide-induced relaxation of isolated rabbit aorta through the blockade of guanylyl cyclase-linked receptors," *Mol. Pharm.*, 1992, *42*, 982-990
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	BS	Jakubik, J. et al., "Constitutive activity of the M_1-M_4 subtypes of muscarinic receptors in transfected CHO cells and of muscarinic receptors in the heart cells revealed by negative antagonists," *FEBS Letts.*, 1995, *377*, 275-279
	BT	Kjelsberg, M.A. et al., "Constitutive activation of the α_{1B}-adrenergic receptor by all amino acid substitutions at a single site," *J. Biol. Chem.*, 1992, *267(3)*, 1430-1433
	BU	Knapp, R. et al., "Molecular biology and pharmacology of cloned opioid receptors," *FASEB J.*, 1995, *9*, 516-525
	BV	Kosugi, S. et al., "Characterization of heterogeneous mutations causing constitutive activation of the luteinizing hormone receptor in familial male precocious puberty," *Human Mol. Genetics*, 1995, *4(2)*, 183-188
	BW	Kosugi, S. et al., "Identification of Thyroid-Stimulating Antibody-Specific Interaction Sites in the N-Terminal Region of the Thyrotropin Receptor," *Mol. Endocrinology*, 1993, *7*, 114-130
	BX	Kraus, M. et al., "Demonstration of ligand-dependent signaling by the *erbB-3* tyrosine kinase and its constitutive activation in human breast tumor cells," *Proc. Natl. Acad. Sci. USA*, 1993, *90*, 2900-2904
	BY	Kudlacz, E. et al., "*In Vitro* and *In Vivo* Characterization of MDL 105,212A, a Nonpeptide NK-1/NK-2 Tachykinin Receptor Antagonist," *J. Pharm. Exp. Therap.*, 1996, *277(2)*, 840-851
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	CC	Laue, L. et al., "Genetic heterogeneity of constitutively activating mutations of the human luteinizing hormone receptor in familial male-limited precocious puberty," *Proc. Natl. Acad. Sci USA*, 1995, *92*, 1906-1910
	CD	Løvlie, R. et al., "The Ca^{2+}-sensing receptor gene (PCAR1) mutation T151M in isolated autosomal dominant hypoparathyroidism," *Hum. Genet*, 1996, *98*, 129-133
	CE	Lefkowitz, R. et al., "Constitutive activity of receptors coupled to guanine nucleotide regulatory proteins," *Trends Pharmacol. Sci.*, 1993, *14*, 303-307
	CF	Libermann, T. et al., "Amplification, enhanced expression and possible rearrangement of EGF receptor gene in primary human brain tumours of glial origin," *Nature*, 1985, *313*, 144-147
	CG	Liu, C. et al., "Overexpression of c-*met* proto-oncogene but not epidermal growth factor receptor or c-*erb*B-2 in primary human colorectal carcinomas," *Oncogene*, 1992, *7*, 181-185
	CH	Liu, J. et al., "Molecular mechanisms involved in muscarinic acetylcholine receptor-mediated G protein activation studied by insertion mutagenesis," *J. Biol. Chem.*, 1996, *271(11)*, 6172-6178
	CI	Lonardo, F. et al., "The normal *erb*B-2 product is an atypical receptor-like tyrosine kinase with constitutive activity in the absence of ligand," *New Biologist*, 1990, *2(11)*, 992-1003
	CJ	Maenhaut, C. et al., "RDC8 codes for an adenosine A2 receptor with physiological constitutive activity," *Biochem. Biophys. Res. Comm.*, 1990, *173(3)*, 1169-1178
	CK	Mann, J. et al., "Increased serotonin$_2$ and β-adrenergic receptor binding in the frontal cortices of suicide victims," *Arch. Gen. Psychiatry*, 1986, *43*, 954-959
	CL	Martone, R.L. et al., "Human CRF receptor chimeras: Mapping of ligand binding determinants," 26th Meeting of the Society of Neuroscience, Washington, D.C. November 16-21, 1996, Abstract No. 609.8
	CM	Magnusson, Y. et al., "Autoimmunity in idiopathic dilated cardiomyopathy," *Circulation*, 1994, *89*, 2760-2767

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	CN	Matus-Leibovitch, N. et al., "Truncation of the thyrotropin-releasing hormone receptor carboxyl tail causes constitutive activity and leads to impaired responsiveness in *Xenopus* Oocytes and AtT20 Cells," *J. Biol. Chem.*, 1995, *270(3)*, 1041-1047
	CO	Myles, G.M. et al., "Tyrosine 569 in the c-Fms juxtamembrane domain is essential for kinase activity and macrophage colony-stimulating factor-dependent internalization," *Mol. Cell. Biol.*, 1994, *14(7)*, 4843-4854
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	Applicant: Dominic P. Behan et al.	
U.S. Department of Commerce Patent and Trademark Office	Filing Date: November 26, 2003	Group: Not Yet Assigned

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	Applicant **Dominic P. Behan et al.**	
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	Filing Date November 26, 2003	Group Not Yet Assigned

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**Pursuant to 37 C.F.R. 1.98(a)(2)(iii) no copy of a U.S. patent application need be included with an Information Disclosure Statement filed under 37 C.F.R. 1.97.

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. 7.US29.CON	Serial No. 10/723,950
	Applicant Behan et al.	
	Filing Date November 26, 2003	Group Not Yet Assigned

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	HB	WO 98 38217	03.09.98	PCT	X	
	HC	WO 99 24569	20.05.99	PCT	X	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 18 of 21

Complete If Known	
Application Number	10/723,955
Filing Date	November 26, 2003
First Named Inventor	Dominic Behan
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	7.US29.CON

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Examiner Initials*	Cite No.[1]	Document Number Number - Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	JF	WO03/65845	08/07/03	Bayer Agt.		

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Sheet 19 of 21

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Application Number	10/723,955
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First Named Inventor	Dominic Behan
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	7.US29.CON

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Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
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Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] - Number[4] - Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
WSC	JX	WO02/57414	07/25/02	Bio-Cardia		
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Examiner Signature	WSC	Date Considered	4/27/05

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PTO/SB/08a (05-03)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 21 of 21

Complete If Known	
Application Number	10/723,955
Filing Date	November 26, 2003
First Named Inventor	Dominic Behan
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	7.US29.CON

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Examiner Initials*	Cite No.[1]	Document Number: Number - Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	KE	WO01/75067	10/11/01	Hyseq		
	KF	WO96/39442	12/12/96	Human Genome Sciences		
	KG	WO02/77153	10/03/02	U. Virginia		
	KH	WO02/10449	02/07/02	Compugen		
	KI	WO01/75067	10/11/01	Hyseq		

Examiner Signature		Date Considered	4/27/05

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